

Date: Mon, 8 Mar 93 04:30:05 PST  
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>  
Errors-To: Packet-Radio-Errors@UCSD.Edu  
Reply-To: Packet-Radio@UCSD.Edu  
Precedence: Bulk  
Subject: Packet-Radio Digest V93 #61  
To: packet-radio

Packet-Radio Digest                      Mon, 8 Mar 93                      Volume 93 : Issue    61

Today's Topics:

    -?- How NEWS -> packet-radio (TCP/IP) -?- (2 msgs)  
                just wondering?  
                Packet radio for the Amiga?  
                SoftKiss/NetMac crash problem rept

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>  
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Fri, 5 Mar 1993 02:29:24 GMT  
From: mcsun!fuug!krk!krksun.krk.fi!oh2mkq@uunet.uu.net  
Subject: -?- How NEWS -> packet-radio (TCP/IP) -?-  
To: packet-radio@ucsd.edu

-?- How NEWS -> packet-radio (TCP/IP) -?-  
Hello!

(BWT: This's my 1st MSG to internet)

How can I transfer NEWS from internet to packet-radio..?

I have:

- PC with modem and I can read NEWS in UNIX system (not familiar with  
it) with for ex. RTIN..

- I have run few years FBB AX.25 BBS software at home and I'm now  
beginning with TCP/IP, NOS(PJ)..PA0GRI version..

I can copy NEWS from RTIN to a file and then compress it and dowload  
but what next...?

How can I then go on..? Is there some PRGs for NOS-systems or...

73 es CUL de Janne, OH2MKQ @OH2BAW (APlink Finland)

-- internet : oh2mkq@krk.fi or Janne.Hukkinen@krk.fi

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Date: 5 Mar 93 02:24:13 GMT

From: noao!ncar!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!@arizona.edu

Subject: -?- How NEWS -> packet-radio (TCP/IP) -?-

To: packet-radio@ucsd.edu

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Date: Mon, 8 Mar 1993 08:26:38 GMT  
From: usc!cs.utexas.edu!torn!csd.unb.ca!news.ucs.mun.ca!morgan!  
dlawlor@network.UCSD.EDU  
Subject: just wondering?  
To: packet-radio@ucsd.edu

I am just wondering if anyone could point me to a list of good  
recommended tncs? I am in the market for a tnc and am wondering which  
ones to avoid.  
Thanks, Doug

--  
Doug Lawlor, vo1cm  
Internet: dlawlor@morgan.ucs.mun.ca or dlawlor@kean.ucs.mun.ca

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Date: 8 Mar 1993 09:38:55 GMT  
From: pipex!warwick!kinguni2!ceres!ee\_b152@uunet.uu.net  
Subject: Packet radio for the Amiga?  
To: packet-radio@ucsd.edu

I have a nice powerful(!) A500 (ancient v1.2 kickstart) sitting at home and  
was wondering if there was a hardware/software solution for getting packet  
radio. ie I don't want to fork out loads for a TNC when my trusty C=  
would be powerful enough to do this with nothing more than a TONE<>RS-232  
convertor plugged in.

I think I am basically asking for something similar to the BayComm stuff  
for the PC (but I might be completely wrong!!! :-})

- Tony (G7MFF)

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Date: Sun, 7 Mar 1993 10:41:15 -0500  
From: usc!zaphod.mps.ohio-state.edu!cis.ohio-state.edu!news.sei.cmu.edu!  
bb3.andrew.cmu.edu!crabapple.srv.cs.cmu.edu!andrew.cmu.edu!aw0g+@network.UCSD.EDU  
Subject: SoftKiss/NetMac crash problem rept  
To: packet-radio@ucsd.edu

Sorry I haven't worked on softkiss much lately. I am trying to get  
caught up on back mail...

I personally have never seen this lockup problem on a SE/30.  
There are two reports that it doesn't lockup if you remove the "tuneup"  
extension.

I reread all the sources with an eye to where there would be problems on slower CPUs. There are two potential problems that I know about:

a) Between accesses of the SCC there must be a delay of 2.2us. The hardware manual says that CPUs after mac+ insert a delay in hardware as needed. In the sources I have a delay macro between scc accesses but it doesn't currently do anything because I didn't see any problems. If this is the problem it must be real close to not needing a delay since it generally works. I can build a version with this delay set to one nop.

b) If you are in the middle of transmitting a packet and interrupts are off for long enough the SCC will underflow. This should cause the transmission of an ABORT bit pattern so the receiver knows to chuck the packet and the mac should resend the packet. Softkiss does not currently set this abort during xmit mode.

I am conducting experiments now to see what would happen if it missed a transmit interrupt. I think the packet would be truncated and the receiver would think that it was ok (the scc would send out the crc ok).

What would happen to the mac? Not sure. I am working on fixing it to send an abort and count how often it happens. Likewise if the 3 character receive fifo overflows it should record that in a counter.

Do you come back and find the mac hung or does only ever hang when you doing something? Does hang only when using keyboard/mouse/floppy/hard disk, etc.

Aaron

Aaron Wohl / ham callsign N3LIW / 412-731-6159 / 412-268-5032

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End of Packet-Radio Digest V93 #61

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